

Aspen[®] condensate pumps for mini-split systems



NEW



Quiet operation
Quick & easy installation and maintenance
Versatile pump positioning



CONDENSATE PUMPS

Condensate pumps designed

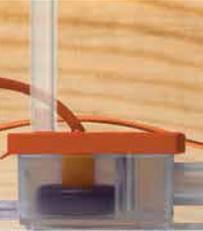


Commercial

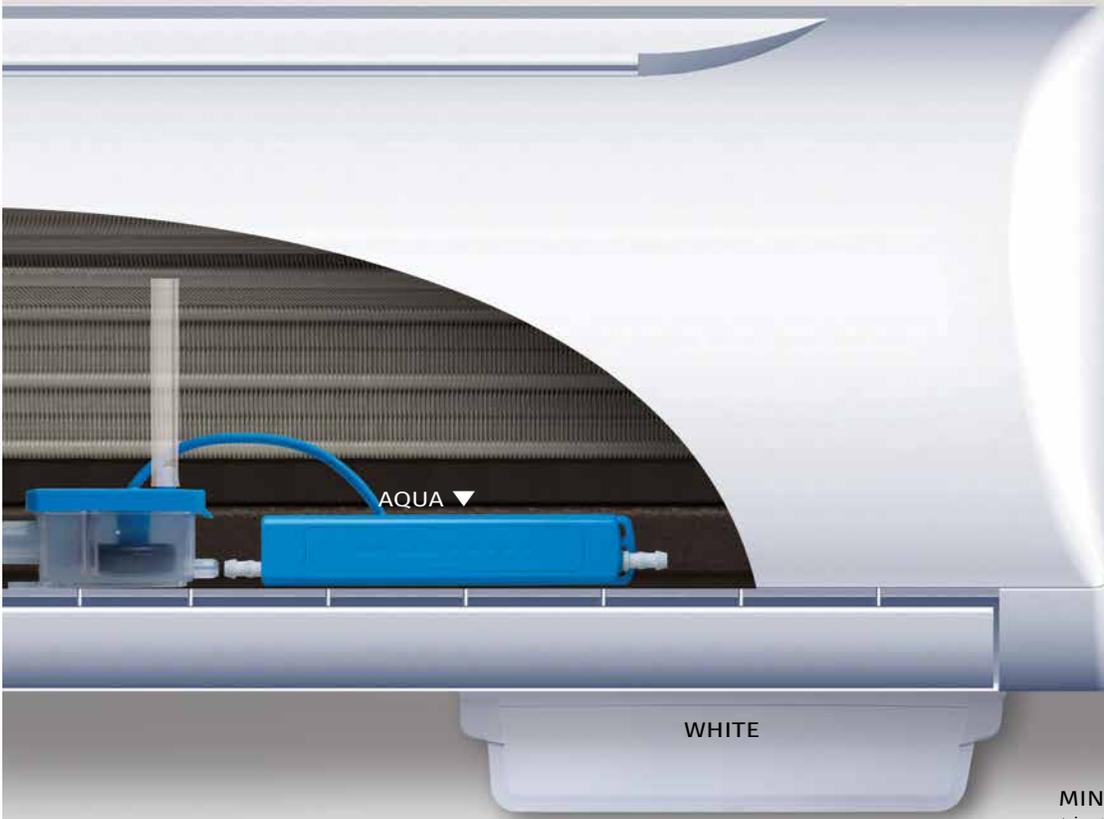


Residential

- 5 Mini-split pump styles.
- Versatile pump positioning.
- Quiet operation.



ORANGE SERIES ▲



AQUA ▼

WHITE



LIME SERIES ▲

MINI TANK
4 installation options ▼



The easiest way to find the right pump for any brand of mini-split ...
Action videos and full details @ rectorseal.com/aspens-mini



for mini-split systems.



SELECTING THE CORRECT ASPEN MINI-PUMP

Five pump models

- Aqua • Orange • Lime
- White • Mini Tank

Four considerations

- **Appearance** - A concealed (Aqua) or remote condensate pump (Orange or Mini Tank) will preserve the attractive nature of any mini-split installation. Surface mounted pumps (Lime or White) are neatly covered. All pumps are hidden from view and provide a clean finished appearance.
- **Quiet Operation** - For best practice, choose a remote pump (Orange) installation for the quietest operation in noise sensitive areas. Silent + models are also available. They run quieter and are designated by SP suffix.
- **Ease of Installation** - Aspen pump models can accommodate any installation. See the guide and chart for options.
- **Maintenance** - Pump models with filters must be cleaned regularly. Choose a surface type pump (Lime or White) for easy filter access.

Two mini-pump types:

- **Split** - (Orange or Aqua) are designed with separate pump and reservoir. The pump includes an electronic PCB and the pump motor. The reservoir contains the filter and the switching mechanism to activate the pump, and must always be kept level and clean for proper operation of the float switch. The filter must be cleaned regularly. The 2 elements are connected together with a length of 1/4" ID vinyl tube and a communication cable, both of which are usually around 6 feet long.
- **Monobloc** - (Lime, White, or Mini Tank) are designed with both the pump and reservoir as one integral unit, sharing a common body. No connecting tubes or wires are needed. Most mini pumps are cooled and lubricated by the water flowing through them. They require a float switch to detect the presence of water in the drain pan and activate the pump only when water is present, while the new Mini White Silent+ uses an adaptive capacitance sensor that differs from a capacitance sensor, since the Silent+ has variable speeds and no dip switch settings for speeds.

Aspen Pumps features:

- Quick and easy to install
- Mini Pumps fit mini-splits up to 54,000 BTU/hr; and Maxi Pumps fit Mini-Splits up to 157,000 BTU/hr
- Self priming
- Hall effect sensors operate on water rise; Mini White Silent+ utilizes an adaptive capacitance sensor
- Dry contact for overflow protection
- Cleanable filters
- Quiet - 19dB(A) to 47dB(A)
- Thermally protected
- Maximum water temperature 104°F
- Discharge hose 1/4" ID
- Kits include all components required
- 1 amp fuse included (must be installed to validate the warranty)

NOTE: Sound level and pump performance varies with voltage and frequency.





MINI-SPLIT PUMP KITS

White Series

Silent+ ultra slim, ultra quiet new generation model

NEW



Code	Universal Voltage	Power Supply	Power Consumption	Ctn. Wt.	Qty
83930	(ASP-MWS+UNI)	100-250 VAC	.18A 2.1W max.	2 lbs	1

FEATURES

- Ultra quiet operation
- Low profile design allows installation above a door
- Discreet: Pump designed to be positioned within high wall unit shadow line
- Neutral design complements leading manufacturers' high wall units
- Easy installation: Optional easy fit installation insert provided
- Reversible: Position inlet left or right for installation flexibility
- Univolt One product suits all
- Capacitance technology: Soft start and variable flow; pump speed optimized in response to flow rate

Specifications:

Duty Cycle:

Continuous

Capacity:

Up to 54,000 BTU/hr; 12 GPH @ zero head; 6 GPH @ 33ft head

Maximum head: 33 ft

Maximum Water Temp: 104° F

Suction Lift: NA

Sound level:

19 dB(A) @ 3 ft

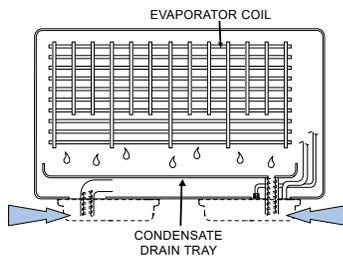
5A volt-free high level safety wires, N.C / N.O. contacts rated @ 5A inductive @ 230V AC

Pump Dimensions:

L-11.5" x H-1.3" x W-1.9"

Class II Appliance

TYPICAL PUMP LOCATIONS



Aspen pre-filter available – see page 12

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.



MINI-SPLIT PUMP KITS

White Series

Mounts directly below evaporator, quick installation



Code	Universal Voltage	Power Supply	Power Consumption	Ctn. Wt.	Qty
83939	(ASP-MW-UNI)	100-250 VAC	.17A 19W	2lbs	1

FEATURES

- Surface mounts below evaporator, at either end
- Crisp white color and slim profile complement any evaporator
- Resilient mounting minimizes vibration & noise
- Accepts standard 5/8" drain hose from any mini-split
- Fully potted electronics*
- No need to disturb evaporator to clean filter, reservoir clips out from front for easy removal and replacement
- Includes anti-siphon device

Specifications:

Duty Cycle:

Non-Continuous

Capacity:

Up to 54,000 BTU/hr; 2.9 GPH @ zero head;
1.2 GPH @ 33ft head

Maximum head: 39 ft

Maximum Water Temp: 104° F

Suction Lift: NA

Sound level:

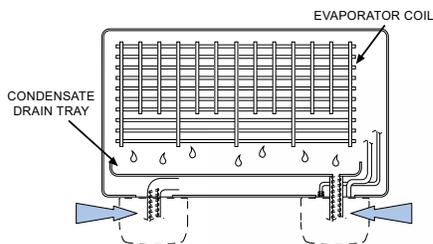
21 dB(A)
3A N/C dry contacts rated @ 5A inductive
@ 230V AC

Pump Dimensions:

L-71/8" x H-41/2" x W-2"

Class II Appliance

TYPICAL PUMP LOCATIONS



Aspen pre-filter available – see page 12

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.



MINI-SPLIT PUMP KITS

Aqua Series

Ultra-slim profile, fits inside evaporator or lineset cover



Code	Universal Voltage Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty
83809	(ASP-MA-UNI)	100-250 VAC	.2A 16W	2lbs	1
Silent+ Kits					
83812	(ASP-MA-230-SP)	230 VAC	.1A 16W	2lbs	1

FEATURES

- Ultra-slim profile
- Installs within evaporator or inside lineset cover
- Self Priming
- Integral hanging loop and separate reservoir facilitates attachment in vertical applications
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Modular terminals for fast connection
- Inline fuse
- Fully potted electronics*
- Includes anti-siphon device

Specifications:

Duty Cycle:

50% duty cycle
5 mins on / 5 mins off

Capacity:

Up to 49,500 BTU/hr. @ 230v
Up to 54,600 BTU/hr. @ 115v
3.2 GPH @ zero head,
1.6 GPH @ 33ft head

Maximum head: 33ft

Suction lift: 5ft

Sound level:

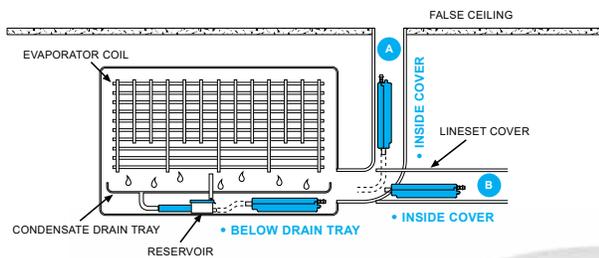
Univolt – 21dB(A)
Silent Plus – 19dB(A)

Pump Dimensions:

L-6¹/₂" x H-1¹/₈" x W-1¹/₈"

Class II Appliance

TYPICAL PUMP LOCATIONS



silent+

Aspen pre-filter available – see page 12

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.

MINI-SPLIT PUMP KITS

Orange Series

Installation flexibility, proven reliability



Code	Universal Voltage Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty
83909	(ASP-MO-UNI) Silent+ Mini Kits	100-250 VAC	.17A 16W	2lbs	1
83912	(ASP-MO-230-SP) Maxi Kits	230 VAC	.11A 16W	2lbs	1
83919	(ASP-MAXO-UNI)	100-250 VAC	.18A 20W	2lbs	1

FEATURES

- Self Priming
- Pump installs remotely above ceiling
- Pan mount and inline style reservoir included
- Modular terminals for fast connection
- Gravity Inlet
- Fully potted electronics*
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Includes anti-siphon device

Specifications:

Duty Cycle:

Mini – non-continuous
Maxi – 50% 5 mins on / 5 mins off

Capacity:

Mini – Up to 54,600 BTU/hr. @ 115v
Up to 49,500 BTU/hr. @ 230v
3.2 GPH @ zero head,
1.6 GPH @ 33ft head

Maxi – Up to 157,000 BTU/hr.
8.9 GPH @ zero head,
1.5 GPH @ 49ft head

Maximum head:

Mini – 33ft Maxi – 49ft

Suction lift: 5ft

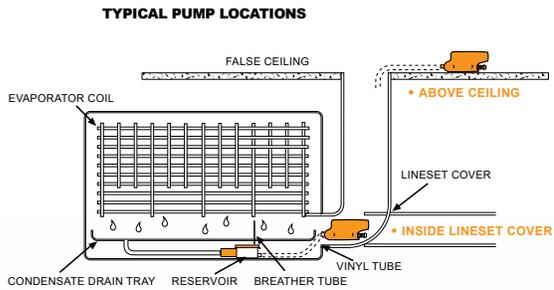
Sound level:

Mini – 21dB(A) Maxi – 35dB(A)
Silent Plus – 19dB(A)

Pump Dimensions:

Mini: L-4¹/₄" x W-1¹/₂" x H-2"
Maxi: L-4⁷/₈" x W-1³/₄" x H-2⁵/₈"

Class II Appliance



silent+

Aspen pre-filter available – see page 12

Lime Series

Elbow design, reversible, duct included options available



Code	Universal Voltage Kits		Power Supply	Power Consumption	Ctn. Wt.	Qty
83849	(ASP-ML-UNI)	Slimline Ivory	100-250 VAC	.16A 16W	4 lbs	1
83859	(ASP-MLF-UNI)	Fortress White	100-250 VAC	.16A 16W	4 lbs	1
Maxi Kits						
83831	(ASP-MAXLF-230)	Fortress White	230 VAC	.10A 16W	4 lbs	1
OEM Maxi Kits						
83835	(ASP-MAXOEM-230)	No Duct	230 VAC	.10A 16W	2 lbs	1
OEM Mini Kits						
83869	(ASP-MLOEM-UNI)	No Duct	100-250 VAC	.16A 16W	2 lbs	1

Pump Dimensions:

Mini: H-3¹/₈" x W-3³/₄" x D-1⁵/₈"

Maxi: H-3³/₈" x W-3³/₄" x D-1⁵/₈"

Lineset Casing Dimensions:

Mini/Maxi Elbow Casing:
H-5¹/₄" x W-5¹/₄" x D-2³/₄"

Mini/Maxi Duct Casing:
H-31" x W-5¹/₄" x D-2³/₄"

FEATURES

- Left or right install
- Easily accessed for filter cleaning
- Two lineset cover styles available – Slimduct or Fortress
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Fully potted electronics*
- Includes anti-siphon device

Specifications:

Duty Cycle:

- Mini – non-continuous
- Maxi – 66% 10 mins on / 5 mins off

Capacity:

- Mini – Up to 54,600 BTU/hr.
2.9-3.2 GPH @ zero head,
1.3-1.5 GPH @ 33ft head

- Maxi – Up to 157,000 BTU/hr.
9.0 GPH @ zero head,
2.9 GPH @ 49 head

Maximum head:

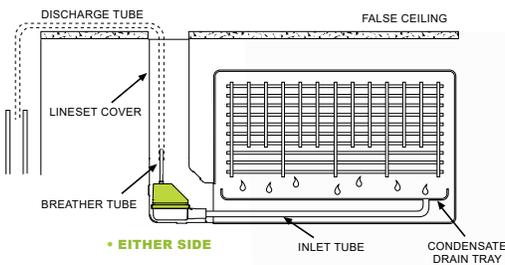
- Mini – 33ft Maxi – 49ft

Sound level:

- Mini – 25.5dB(A)
- Maxi – 35dB(A)
- Silent Plus – 21dB(A)

Class II Appliance

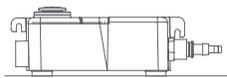
TYPICAL PUMP LOCATIONS



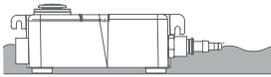
Mini Tank



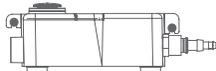
Mounting Options:



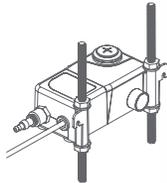
FLOOR MOUNT



IN DRAIN PAN



WALL MOUNT



SUSPENDED ROD MOUNT

Versatile and powerful multi-functional condensate pump

Code	Tank Pump Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty
83941	FP 1056/2	230 VAC	.1A 16W	1.5 lbs	1

FEATURES

- Ideal for ducted units, floor standing and chassis units, ceiling cassette units
- High performance piston technology
- Includes anti-siphon device
- Great alternative to large and noisy traditional condensate pumps
- 4-installation options – can be wall mounted, floor mounted, in-pan or suspended on 1/4" or 3/8" rod
- Accepts standard 5/8" drain hose from any mini-split
- Extra large reservoir capacity minimize pump operation
- Components clip apart for easy access to reservoir and filter
- Fully potted electronics*
- No need to disturb evaporator to clean filter
- 3A N/C dry contacts rated @ 5A inductive @ 230V AC
- Thermal protection
- Includes anti-siphon device

Specifications:

Duty Cycle:
50% duty cycle
5 mins on / 5 mins off

Capacity:
Up to 157,000 BTU/hr.
8.0 GPH @ zero head,
1.6 GPH @ 49ft head

Maximum head: 49ft

Maximum Water Temp: 104° F

Sound level: 35dB(A)

Pump Dimensions:

L-8¹/₂" x H-2⁵/₈" x W-3¹/₂"

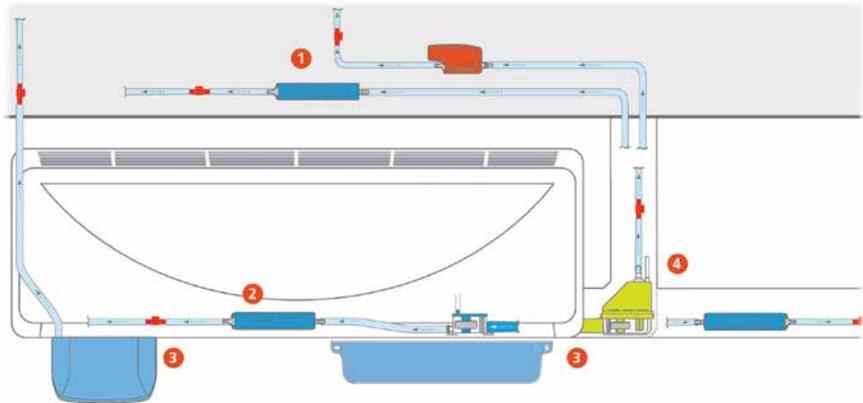


Pump Selector Guide

	83809 (ASP-MA-UNI)	83812 (ASP-MA-230-SP)	83909 (ASP-MO-UNI)	83912 (ASP-MO-230-SP)	83919 (ASP-MAXO-UNI)	83849 (ASP-ML-UNI)	83859 (ASP-MLF-UNI)	83831 (ASP-MAXLF-230)	83835 (ASP-MAXOEM-230)	83869 (ASP-MLOEM-UNI)	83939 (ASP-MW-UNI)	83930 (ASP-MWS+UNI)	83941 MINI TANK PUMP
Electrical													
230V Model	•	•	•	•	•	•	•	•	•	•	•	•	•
Univolt Model	•	•	•	•	•	•	•	•	•	•	•	•	•
Overflow Switch	•	•	•	•	•	•	•	•	•	•	•	•	•
Mounting													
Surface Mount	•	•	•	•	•	•	•	•	•	•	•	•	•
Concealed in Evaporator	•	•	•	•	•	•	•	•	•	•	•	•	•
Concealed in Lineset Cover	•	•	•	•	•	•	•	•	•	•	•	•	•
Remote Pump Install (ideal for noise sensitive areas)	•	•	•	•	•	•	•	•	•	•	•	•	•
Easy Filter Access	•	•	•	•	•	•	•	•	•	•	•	•	•
Lineset Duct Kit included	•	•	•	•	•	•	•	•	•	•	•	•	•
General													
Inline Reservoir Included (5/8 inlet)	•	•	•	•	•	•	•	•	•	•	•	•	•
Drain Pan Mounted Reservoir Included (optional for ducted systems)	•	•	•	•	•	•	•	•	•	•	•	•	•
Integral Reservoir on Pump	•	•	•	•	•	•	•	•	•	•	•	•	•

For more detailed selection information, visit rectorseal.com/aspn-mini

Prior to installation, calculate condensate production of indoor evaporating coil to confirm suitability of condensate pump in application.



Type 1 Installation

For optimum quietness, the solution is a remote mounted pump. **AQUA, ORANGE, MINI TANK**

Type 2 3 Installation – rear entry lineset

Lineset enters the evaporator from directly behind.

WHITE – Pump assembly mounts on wall surface below the evaporator (easy filter access).

AQUA – Both pump and reservoir mount inside of evaporator, below the drain pan.

Type 4 Installation – exposed straight lineset

Lineset enters the evaporator from either side, extending horizontally to outside wall.

AQUA – Pump mounts outside the evaporator hidden inside horizontal lineset cover. Reservoir mounts inside of evaporator, below the drain pan.

Type 4 Installation – side entry lineset

Lineset enters the evaporator from either side, turns 90 degrees up into the ceiling and is completely concealed by lineset cover (included in kit).

LIME – Pump assembly mounts outside the evaporator, behind easy to remove elbow cover. Transparent reservoir clips off pump for easy filter access.

Scan this QR code for Aspen Mini Pumps Wiring Diagrams





MINI-SPLIT CONDENSATE DRAIN HOSE

Condensate Drain Hose

Non-Insulated

Code	ID	Length	Ctn Qty	Ctn Wt
83001 (DH-14) STANDARD	1/2 in	164 ft	1	6 lbs.
83002 (DH-16) STANDARD	5/8 in	164 ft	1	7 lbs.
83003 (DH-16S) STANDARD	5/8 in	20 ft	5	6 lbs.
83004 (DHQ-16) UV RESISTANT	5/8 in	164 ft	1	6 lbs.
83005 (DSB-16) SMOOTH BORE	5/8 in	65 ft	1	2 lbs.



Non-Insulated

UV Resist

Smooth Bore



Smooth Bore (DSB-16)
Reduces resistance and maximizes condensate flow. Resists clogging.

UV Resistance (DHQ-16)
Resists deterioration from sunlight.

Condensate Drain Hose

Insulated

Code	ID	Length	Ctn Qty	Ctn Wt
83011 (DSH-14)	1/2 in	65 ft	1	7 lbs.
83012 (DSH-20N)	3/4 in	65 ft	1	10 lbs.
83013 (DSH-25N)	1 in	65 ft	1	13 lbs.



Insulated



Insulated
Protects hose from sweating that can occur from cooler condensate and warmer ambient air.

Condensate Drain Hose

Insulated Drain-up Hose Kit

Code	Description	Qty
84306	DSH-UP20E20E-07 Elbow to Elbow 27.5"	10
84307	DSH-UP20E20E-10 Elbow to Elbow 40"	10
84308	DSH-UP20E20S-07 Elbow to Straight Coupler 27.5"	10
84309	DSH-UP20E20S-10 Elbow to Straight Coupler 40"	10

FEATURES

- Exclusive hose for drain-up piping
- Easy to adjust position
- Pre-connected hose with fittings

APPLICATION • Drain-up hose kit for indoor A/C unit. These insulated drain hoses will greatly reduce install time, since there is no need to cut and cement plastic pipes for the drain assembly.

RECOMMENDED FOR

- Exclusive for indoor use
- Commercial HVAC units
- Ceiling cassette
- Ducted concealed



MINI-SPLIT INSTALLATION FITTINGS & CABLE

Fittings and Cable

For mini-split installation



PIPE ADAPTER

Code	ID	Length	Ctn Qty	Ctn Wt
83031 (DSH-14C) INSULATED	-	-	10	2 lbs.

Joins DSH-14 insulated drain hose to A/C drain pipe



PIPE ADAPTER

Code	ID	Length	Ctn Qty	Ctn Wt
83020 (DSH-14-16V) DSH-14 Hose to 3/4 PVC	3/4 in	-	10	2 lbs.
83024 (DSH-20-NV) DSH-20 Hose to 3/4 PVC	3/4 in	-	10	2 lbs.



PIPE TO PIPE RUBBER CONNECTOR / ADAPTER

Code	Size	Ctn Qty	Ctn Wt
83977 3/4" PVC to 5/8" (19mm - 16mm)	-	10	3 lbs.

3 units per bag



CONDENSATE DRAIN ADAPTER

Code	ID	Length	Ctn Qty	Ctn Wt
89712 16mm rigid pipe to flexible drain hose	-	-	20	7 lbs.
89714 18mm rigid pipe to flexible drain hose	-	-	20	7 lbs.
89711 16mm rigid pipe to flexible drain hose	-	-	20	2 lbs.
89713 18mm rigid pipe to flexible drain hose	-	-	20	2 lbs.



WALL SLEEVE

Code	Size	Ctn Qty	Ctn Wt
83017 (NFP-75) WALL SLEEVE	3"x 5" - 7"	10	1 lb.



NON-ADHESIVE WRAP

Code	Size	Ctn Qty	Ctn Wt
83016 (HN-75-I) UV resistant non-adhesive wrap	3" x 70'	4	1 lb.



INTERCONNECT CABLE

Code	Length	Ctn Qty	Ctn Wt
87795 (CAB-14450) 4/C 14 gauge shielded	50'	1	5 lbs.
87790 (CAB-144100) 4/C 14 gauge shielded	100'	1	10 lbs.



MINI PUMP PRE-FILTER

Code	Size	Ctn Qty	Ctn Wt
83893 5/8" Pre-filter for Aspen mini pumps	-	10	3 lbs.



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